AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 22. (Cancelled)

23. (Previously Presented) A digital radio communication method comprising the steps of:

transmitting, on a transmitting side, known pilot symbols at every slot, a predetermined number of said slots forming a frame;

receiving, on a receiving side, said known pilot symbols; and

carrying out coherent detection using the received known pilot symbols,

wherein said known pilot symbols of each slot consists of a known pilot symbol portion and a sync word portion for frame alignment, the known pilot symbol portion and the sync word portion in each slot being aligned consecutively, and

wherein said step of carrying out coherent detection carries out the coherent detection using said known pilot symbol portion, and employs, after establishing the frame alignment using said sync word portion, said sync word portion for the coherent detection.

24. (Previously Presented) The digital radio communication method as claimed in claim 23, wherein said known pilot symbols of each slot comprise multiple known pilot symbol portions and multiple sync word portions aligned consecutively, and wherein said known pilot symbol portions and said sync word portions are transmitted alternately in each slot.

25. (Previously Presented) A reception method for a digital radio communication method comprising the steps of:

receiving known pilot symbols, which have been transmitted at every slot, a predetermined number of said slots forming a frame; and

carrying out coherent detection using the received known pilot symbols,

wherein said known pilot symbols of each slot consist of a known pilot symbol portion and a sync word portion for frame alignment, the known pilot symbol portion and the sync word portion in each slot being aligned consecutively, and

wherein said step of carrying out coherent detection carries out the coherent detection using said known pilot symbol portion, and employs, after establishing the frame alignment using said sync word portion, said sync word portion for the coherent detection.

26. (Previously Presented) The reception method for a digital radio communication method as claimed in claim 25, wherein said known pilot symbols of each slot comprise multiple known pilot symbol portions and multiple sync word portions aligned consecutively, and wherein said known pilot symbol portions and said sync word portions are transmitted alternately in each slot.